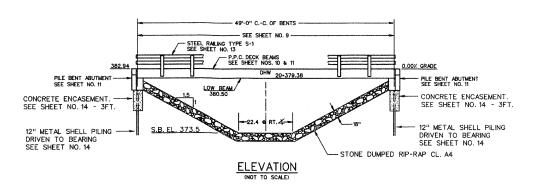
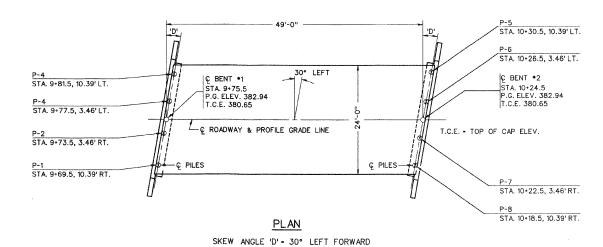
B.M - RAILROAD SPIKE SET IN SOUTH SIDE POWER POLE ON NORTH SIDE OF RHINE ROAD ± 300' SOUTHWEST OF MAIN BRIDGE.
STA. 7+10, 25' RT. (ELEV.- 377.12)

HIGHWAY DEPARTMENT IN JONESBORO, ILLINOIS.





PILE NOTES

- 1. THE METAL SHELL PILES SHALL BE ACCORDING TO ASTM A 252 GRADE 3.
- 2. THE TEST PILES SHALL BE DRIVEN TO 110 PERCENT OF THE NOMINAL REQUIRED BEARING INDICATED IN THE PILE DATA INFORMATION.

PILE DATA (2-ABUTS.)

TYPE & SIZE: METAL SHELL - 12IN. DIA. X 0.25 IN. WALLS. NOMINAL REQUIRED BEARING: 240 KIPS.
ALLOWABLE RESISTANCE AVAILABLE: 80 KIPS.
ESTIMATED LENGTH: 60 FEET EACH. NUMBER REQUIRED: 8 (INCLUDES 1 TEST PILE IN EACH BENT)

SEISMIC DATA

SEISMIC PERFORMANCE CATEGORY (SPC) - 0.15 BEDROCK ACCELERATION COEFFICIENT (A) - B SITE COEFFICIENT (S) - 1.5

LOADING HS20 - 44

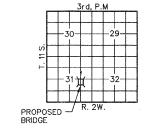
ALLOW 25*/SQ. FT. FOR FUTURE WEARING SURFACE.

DESIGN SPECIFICATIONS

2002 AASHTO STANDARD SPECIFICATIONS - 17th ED.



LETTERING FOR NAME PLATE LOCATE NAME PLATE AT SOUTHWEST CORNER OF BRIDGE (SEE SHEET NO. 13)



LOCATION SKETCH

WATERWAY INFORMATION

DRAINAGE AR	EA -	2.62 S	Q. Ml. L	OW GR	ADE ELI	V. •	375.8	@ STA	A. 6+00
FLOOD	FREQ.	Q	OPENING	SQ. FT	NAT.	HEAD	- FT.	HEADW	ATER EL
FLOOD	YR.	C.F.S.	EXIST.	PROP.	H.W.E	EXIST	PROP	EXIST.	PROP.
DESIGN	20	1741	165	181.4	378.25	3.32	1.08	381.57	379.33
BASE	100	2601	165	201.5	378.72	2.64	1.11	381.36	379.83
OVERTOPPING									
MAX CALC	500	3432							

| ROUTE | SECTION | COUNTY | TOWNSHIP | TOTAL | SHEETS | NUMBER | T.R. 51 | 04-0182-00-BR | UNION | SEC.31,T1IS,RIW | 15 | 7 JOB NO. C-99-549-04 PROJECT NO. BROS-181 (26) RHINE ROAD CONTRACT NO. 99216

GENERAL NOTES

- 1.THE CONTRACTOR SHALL DRIVE 2 TEST PILES, AS SPECIFIED, IN A PERMANENT LOCATION AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINING PILES.
- 2. SEE SHEET 15 FOR BORING LOGS.
- 3. AFTER DECK BEAMS HAVE BEEN SET, THE DECK SURFACE SHALL BE INSPECTED. A WATERPROOFING MEMBRANE SYSTEM AND A BITUMINOUS CONCRETE WEARING SURFACE MAY BE REQUIRED TO PROVIDE A SMOOTH UNFORM RIDING SURFACE. PAYMENT FOR THIS WORK, IF REQUIRED, WILL BE MADE BY A CHANGE ORDER TO THE

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	. SUB.		TOTAL
IILW		SOFER	PIERS	ABUTS	TOTAL
REMOVAL OF EXISTING STRUCTURES	EACH				1
STONE DUMPED RIP-RAP, CLASS A-4	TON				300
CONCRETE STRUCTURES	CU. YD.			21.4	21.4
PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ. FT.	1200			1200
STEEL RAILING, TYPE S-1	FOOT	100			100
REINFORCEMENT BARS	POUND			2,620	2,620
FURNISHING METAL PILE SHELLS 12"	FOOT			360	360
DRIVING AND FILLING SHELLS	FOOT			360	360
TEST PILE METAL SHELLS	EACH			2	2
NAME PLATES	EACH	1			1
CONCRETE ENCASEMENT	CU. YD.			2.1	2.1

INDEX OF SHEETS

- 1 GENERAL PLAN AND ELEVATION
- 2 P.P.C. DECK BEAM SUPERSTRUCTURE 24'ROADWAY 27" BEAMS 50'SPAN 30° SKEW LEFT
- 3 P.P.C. DECK BEAM DETAILS 24'ROADWAY 27" X 36" BEAMS
- 4 P.P.C. DECK BEAM DETAILS
- 24' ROADWAY 27" X 48" BEAMS 5 P.P.C. DECK BEAM - PILE BENT ABUTMENT
- 24' ROADWAY 27" BEAMS 30° SKEW LEFT 6 STEEL RAILING, TYPE S1
- 7 NAME PLATE
- 8 PILE DETAILS

STRUCTURAL CERTIFICATION

ICERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE REVISED STANDARD DETAIL SHEETS AND/OR SPECIAL COMPONENT SHEETS INCLUDED WITH THE STANDARD BRIDGE DETAIL SHEETS ARE STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS AND COMPLY WITH THE REQUIREMENTS OF THE CURRENT AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.

DATE

ZEYN B. UZMAN S.F. *81-4745 EXPIRES NOV. 30, 2010

GENERAL PLAN & ELEVATION

TR 51-RHINE ROAD OVER TRIBUTARY TO CLEAR CREEK

SECT / ON 04-01182-00-BR

COUNTY UNION 10+00

STATION ___